

Message

From: Greg Kester [gkester@casaweb.org]
Sent: 6/9/2016 5:24:59 PM
To: Fondahl, Lauren [Fondahl.Lauren@epa.gov]; Natalie Sierra [nsierra@BrwnCald.com]; Guevarra, Karla [KGuevarra@sewater.org]; Gonzales, Johnny@Waterboards [Johnny.Gonzales@waterboards.ca.gov]; Meregillano, Tom [TMEREGILLANO@OCSD.COM]
Subject: RE: Annual Report Spreadsheet 2016
Attachments: California Biosolids Use and Disposal for 2015.xlsx; Biosolids Recycling and Disposal Practices 2015.docx

Hi Lauren – Thanks very much for putting this together and sharing it. I have totaled up the columns and added percentages for each use and summarize them in the attached document. I couldn't quite get everything to add up which is likely due to the variables you mentioned for long term treatment and storage. One question I have is on Sunnyvale. You have them sending 1425 DMT to surface disposal. I am not aware of them using this option at all. And the total of what they sent to landfill and land application equals their generated amount so I think this was an erroneous entry? Can you confirm? Thanks again very much! - Greg

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From: Fondahl, Lauren [mailto:Fondahl.Lauren@epa.gov]
Sent: Tuesday, May 31, 2016 2:39 PM
To: Natalie Sierra; Guevarra, Karla; Gonzales, Johnny@Waterboards; Greg Kester; Meregillano, Tom
Subject: RE: Annual Report Spreadsheet 2016

Hi all,

Attached is the Excel spreadsheet with California biosolids use and disposal practices by major WWTPs and other Class 1 biosolids management facilities in calendar year 2015. All values are given in dry metric tons for the calendar year. Let me know if you have questions/comments on these.

Tonnages reported by generators usually differ slightly from those reported by haulers and receiving facilities, due mainly to how the % solids was calculated by each of the parties. In most cases, the tonnages reported by the generators are used.

The tonnages reported by composters are the tonnages of biosolids they received. The final tonnage of compost distributed can vary depending on how much bulking agent was used, how much of the compost was actually

distributed the next calendar year, the length of time in curing, etc. It is assumed that nearly all of the compost goes for Class A land application, although a small amount may be used for ADC or other uses.

Composters and heat drying facilities are not required to report the locations where these Class A products are used. The spreadsheet shows the destinations of other types of Class A, i.e. thermophilically digested and air-dried Class A. No one reported sending heat dried biosolids for use as fuel in cement kilns this year. The City of Los Angeles's deep well injection project was down for most of the year, so all the biosolids from the Hyperion and Terminal Island plants was directly land applied or sent to composters.

The amounts put into temporary storage or long term treatment are very rough estimates based on the size and influent flow of the POTW. These figures do not include total amounts accumulated in storage or long-term treatment from past years (many facilities do not come up with a good estimate of how much they have in long-term treatment until they begin putting out RFPs for removal).

To date, Region 9 has only been requiring POTWs with current flows of 1 mgd (or approaching 1 mgd) to report, but starting next year reports will be filed through the NeT and NeT-DMR electronic system, and all facilities with a design flow of 1 mgd will need to start reporting. We will need to work with the State of California to ensure that we have up-to-date contact information, particularly for non-NPDES POTWs.

EPA is still working on resolving what data goes into the system, and what goes into the NeT and into the NeT-DMR systems. The NetDMR system lends itself to reporting data such as pollutant concentrations, and presumably the NeT system will provide links to this with specific fields coming up depending on what biosolids use or disposal practice is being reported. The NetDMR system should have the flexibility for adding additional fields, such as pollutants regulated at the state level but not at the EPA level, and may serve as a place to account for tonnages going to use and disposal practices for which there are not monitoring requirements under 503.

A "trends" paper should be coming out shortly, which includes tonnages from both majors and minor POTWs going to various use and disposal practices, based mainly on the reports from land appliers and composters that show all tonnages received by them.

Lauren

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From: Natalie Sierra [<mailto:nsierra@BrwnCald.com>]
Sent: Friday, May 27, 2016 8:28 AM
To: Fondahl, Lauren <Fondahl.Lauren@epa.gov>
Subject: Annual Report Spreadsheet 2016

Hi Lauren!

Hope this finds you well! I was wondering if you have developed your Annual Report Excel spreadsheet for this year's annual reports in CA. If so, could I get a copy?

Thanks!

Natalie Sierra

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